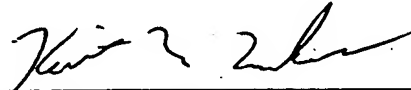


COPY

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No.20-0782/AMAT/2592.C9/KMT.

Respectfully submitted,



Keith M. Tackett
Registration No. 32,008
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)

296093_1

Please type a plus sign (+) inside this box →



COPY

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project 04-355, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

Application Number

10/789,209

Filing Date

FEBRUARY 27, 2004

First Named Inventor

GAILLARD, ET AL.

Group Art Unit

2822

Examiner Name

UNKNOWN

Attorney Docket Number

AMAT/2592.C9/DSM/LOW K/JW

Submission Date

1/1/05, 2005

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1				
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				
	A13				
	A14				
	A15				
	A16				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP 0 935 283 A2	08/11/1999	MATSUKI		
	B2	EP 0 469 926 A1	02/05/1992	FELTS		
	B3	EP 0 849 374 A2	06/24/1998	ICHIMURA		
	B4	EP 0 774 533 A2	05/21/1997	LOBODA		
	B5	WO 99/55526 A1	11/04/1999	ROSE, ET AL.		
	B6	WO 99/63591 A1	12/09/1999	ZHAO, ET AL.		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

**COPY**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	10/789,209
		Filing Date	FEBRUARY 27, 2004
		First Named Inventor	GAILLARD, ET AL.
		Group Art Unit	2822
		Examiner Name	UNKNOWN
		Attorney Docket Number	AMAT/2592.C9/DSM/LOW K/JW
Sheet 2	of 2	Submission Date	1/14, 2005

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	European Search Report for EP 01 30 3567, dated November 4, 2004 (AMAT/2592.P3)	
	C2		
	C3		
	C4		
	C5		
	C6		
	C7		
	C8		
	C9		
	C10		
	C11		

Examiner	Date Considered
----------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



DOCKET No.: AMAT/2592.C9/ASM/lowk, (su)

SERIAL No.: 10/789,209

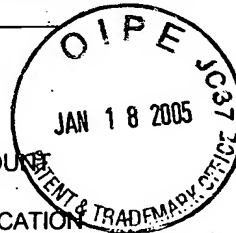
FILED: February 27, 2004

APPLICANT: Applied Materials, Inc.

INVENTOR: Gaillard, et al.

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed January 14, 2005

- ☐ AFFIDAVIT
- ☐ AMENDMENT
- ☐ APPLICATION PAPERS - OATH/DECLARATION
- ☐ TOTAL CLS. _____ IND. CLS. _____ FEE \$ _____
- ☐ _____ SHEET(S) OF DRAWING(S) FORMAL/INFORMAL
- ☐ ASSIGNMENT-RECORDAL FEE \$ _____
- ☐ BRIEF
- ☐ APPEAL NOTICE
- ☐ DECLARATION
- ☐ ISSUE FEE - BASE/BALANCE
- ☒ LETTER - CHARGE DEPOSIT ACCOUNT
- ☐ LETTER
- ☐ TRADEMARK/SERVICEMARK APPLICATION
- ☐ PETITION
- ☐ PRELIMINARY AMENDMENT
- ☒ INFORMATION DISCLOSURE STATEMENT (Supplemental)
- ☐ REQUEST FOR EXTENSION OF TIME
- ☐ RESPONSE TO _____
- ☐ SPECIMENS
- ☐ SMALL ENTITY
- ☐ CHECK # _____ IN THE AMOUNT OF \$ _____
- ☒ PTO form with (7) cited references
- ☐ _____



EXPRESS MAIL # _____

MAIL LOG # 20827

MP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Gaillard, et al.

Serial No.: 10/789.209

Confirmation No.: 9101

Filed: February 27, 2004

For: Method of Decreasing the K Value in SiOC Layer Deposited by Chemical Vapor Deposition

٢٠٢٠

Group Art Unit: 2818

Examiner: David Nhu

MAIL STOP AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING
37 CFR 1.8

I hereby certify that this correspondence is being deposited on
3/8, 2005 with the United States Postal Service as First
Class Mail in an envelope addressed to: Mail Stop Amendment,
Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-
1450.

3/8/05 Kevin Z Zhs
Date Signature

Dear Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Supplemental Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

COPY

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants submit that all references submitted with this disclosure were first cited in a communication from a foreign patent office dated January 10, 2005, which communication is enclosed, not more than three months prior to the filing of this Supplemental Information Disclosure Statement.

If the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/AMAT/2592.C9/KMT.

Respectfully submitted,



Keith M. Tackett
Registration No. 32,008
MOSER, PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicant(s)

346587_1

**COPY**

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO

**SUPPLEMENTAL
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 1

Application Number

10/789,209

Filing Date

FEBRUARY 27, 2004

First Named Inventor

GAILLARD, ET AL.

Group Art Unit

2818

Examiner Name

DAVID NHU

Attorney Docket Number

AMAT/2592.C9/DSM/LOW K/JW

Submission Date

3/8, 2005

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	BAKLI, ET AL., "Materials and Processing for .025 μ m Multilevel Interconnect," Microelectronic Engineering 33 (1997) pp. 175-188.	
	C2	BHAN, ET AL., "Deposition of Stable Low K and High Deposition Rate SiF ₄ -Doped TEOS Fluorinated Silicon Dioxide (SiOF) Films," Thin Solid Films 308-309 (1997) pp. 507-511.	
	C3	C.F. LIN, ET AL., "Improved Ozone-Tetraethoxysilane Oxide Reliability for Deep Submicron Inter-Metal Dielectric Applications by Deposition of a Silane-Based Oxide Underlayer," Thin Solid Films 308-309 (1997) pp. 621-626.	
	C4	European Search Report from European Patent Office for 99906897.6 (2592.EP), dated 01/10/2005.	
	C5		
	C6		
	C7		
	C8		
	C9		
	C10		
	C11		

Examiner

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

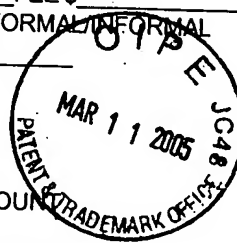


COPY

DOCKET No.: AMAT/2592.C9/DSM/LANK/JW
SERIAL No.: 10/789,209
FILED: February 27, 2004
APPLICANT: Applied Materials, Inc.
INVENTOR: Gaillard, et al

The Patent & Trademark Office acknowledges and has stamped hereon the date of receipt of the items checked below which were mailed March 8, 2005

- ☐ AFFIDAVIT
- ☐ AMENDMENT
- ☐ APPLICATION PAPERS - OATH/DECLARATION
- ☐ TOTAL CLS. _____ IND. CLS. _____ FEE \$ _____
- ☐ _____ SHEET(S) OF DRAWING(S) FORMAL/INFORMAL
- ☐ ASSIGNMENT-RECORDAL FEE \$ _____
- ☐ BRIEF
- ☐ APPEAL NOTICE
- ☐ DECLARATION
- ☐ ISSUE FEE - BASE/BALANCE
- ☒ LETTER - CHARGE DEPOSIT ACCOUNT
- ☐ LETTER
- ☐ TRADEMARK/SERVICEMARK APPLICATION
- ☐ PETITION
- ☐ PRELIMINARY AMENDMENT
- ☒ INFORMATION DISCLOSURE STATEMENT (Supplemental)
- ☐ REQUEST FOR EXTENSION OF TIME
- ☐ RESPONSE TO _____
- ☐ SPECIMENS
- ☐ SMALL ENTITY
- ☐ CHECK # _____ IN THE AMOUNT OF \$ _____
- ☒ PTO form with (4) cited references
- ☐



EXPRESS MAIL # _____ MAILLOG# 21344

MP